

U. S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE		NRCS-CPA-53 12-02		Name: Douglas and Kathy Fir	
CONSERVATION EFFECTS BENCHMARK MANAGEMENT SYSTEM				Address: 612 Plantation Pine Road Birch, USA 31100	
Resource Setting: South Cropland Unit (1b) – Soil B is the predominate soil type with slopes that range from 3-8%. Cropland soil erosion has created soil deposition along the east fence line. An ephemeral gully was observed at the south end of the unit. No permanent cover is present.			Resource Concerns Before Treatment: <ul style="list-style-type: none"> • Soil erosion; sheet and rill erosion • Soil deposition; onsite damage • Plant suitability; intended use (crops) • Animal habitat, wildlife; cover • Human economic; profitability • Soil erosion; concentrated flow 		
Benchmark (Present management system)					
Actions - Present Management (kinds, amounts, and timing)			Effects (Effects of continuing the benchmark system)		
<ul style="list-style-type: none"> • annual crop rotation • spring tillage with low residue at planting time • N-S row direction 			<ul style="list-style-type: none"> • limited fall hunting opportunities • soil deposition in fence • gullies in crop field causing difficulty when farming • sheet and rill erosion at 15 tons/acre/year • ephemeral gully erosion at 100 tons/year • low crop diversity 		
Comments: Based on a recent agroforestry seminar, the owners are interested in rows of trees on this unit that could produce a crop of nuts as long as no more than 5% of the cropland is used.					